

CENTRAL INTELLIGENCE AGENCY

REPORT NO

25X1

INFORMATION REPORT

CD NO. ,

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COUNTRY East Germany

DATE DISTR 19 October 1953

SUBJECT Radar Development at Funkwerk Koepenick

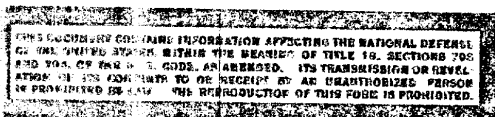
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1. Development department No II of Funkwerk Koepenick developed an anti-collision set, with three measuring ranges for 3, 12 and 30 sea miles, scheduled to spot obstacles at sea. The development work was based on a Meddo-report published by the McGraw-Hill Book Company, Inc.
2. The station consisted of components which included:
 - a. An aerial section with transmitter and receiver; an impulse central with impulse generator and controlling oscillograph; a transmitter keying step; a ZF-type amplifier; an arranging device; a direction arrow; and two network sets for high and low voltages.
 - b. Three similar sight devices with controlling multivibrator for the relaxation oscillator which is controlled by the impulse generator through cables; the sweep oscillator (Klopteil); a device for focussing; and a high voltage section for the 9 inch persistence type television tube.
 - c. A second controlling multivibrator for a range marking generator; a generator for variable range marks; Helltastung and Video-type amplifier.
3. In mid-May, the experimental assembling of the individual devices was underway, and measurements were taken on the operation of the assembled units. The construction of the sight devices and the impulse central was started.

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Comment. Meddo-Geraet was the German cover name for a US Air Force radar set, named after the place at which the first set was found.

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